

STAVATTI™ SM-150E



ELECTRIC SPORT AIRCRAFT

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Performance & Specifications

FLYAWAY COST: CONTACT STAVATTI

AVAILABILITY: TBD

TYPE

Next-Generation Electric Sport Aircraft

ACCOMMODATION

Two Seat Side-By-Side with Bird Strike Resistant, Single-Piece Clamshell Canopy

POWERPLANT

1 x Proprietary Electric Motor delivering 75 kW(100 hp) @ 2,500 Prop RPM with a 72-in, 3 Blade Propeller powered by a Proprietary 107 kW/H Silicon-Lithium-Graphene Battery

STRUCTURE

Semi-monocoque aluminum foam metal sandwich construction throughout with aluminum lithium skins, ultra-low density aluminum foam cores and twin aluminum spars in the cantilever wings, canards and empennage.

AVIONICS

Proprietary touch screen LCD primary flight display with digital instruments, integrated GPS and NAV/COM/IFF with full authority digital Power-By-Wire flight controls.

DIMENSIONS

Wingspan	36 ft 0 in
Length Overall	24 ft 0 in
Height Overall	8 ft 8 in
Wing Area	137 sq ft

INTERIOR DIMENSIONS

Cabin Length	67.0 in
Cabin Width-Max	60.0 in
Cabin Height-Max	41.7 in

WEIGHTS & CAPACITIES

Empty Weight	1,350 lbs
Max Payload	450 lbs
Useful Load	450 lbs
Max Take-Off Weight (MTOW)	1,800 lbs

LOADINGS

Wing Loading @ MTOW (lbs/sq ft)	13.15
Power Loading @ MTOW (lbs/shp)	18.00
Positive Load Limit @ MTOW	4.40
Ultimate Load Limit @ MTOW	6.60

PERFORMANCE

Max Speed @ SL	124 KTAS	Range @ Max Speed- SL	180 nm
Cruise Speed @ 5,000 ft	95 KTAS	Range @ Cruise-5,000 ft	275 nm
Cruise Speed @ 10,000 ft	99 KTAS	Range @ Cruise-10,000 ft	285 nm
Cruise Speed @ 15,000 ft	103 KTAS	Range @ Cruise-15,000 ft	300 nm
Stall Speed, Clean	51 KTAS	Take-Off Distance over 50 ft Obstacle	845 ft
Stall Speed, Full Flaps	43 KTAS	Landing Distance over 50 ft Obstacle	300 ft
Max Initial Rate-of Climb @ SL	1,034 ft/min	Service Ceiling Exceeds	20,000 ft

